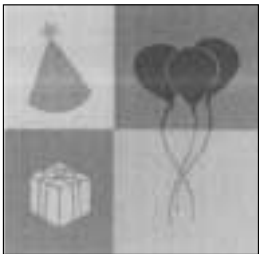


Wastelines

NH Pollution Prevention Program Celebrates 10th Anniversary



The New Hampshire Department of Environmental Services (DES) New Hampshire Pollution Prevention Program (NHPPP) is celebrating its 10th Anniversary! Over the past 10 years, NHPPP has been providing technical, non-regulatory assistance to businesses, municipalities, institutions, and schools. NHPPP recommends pollution prevention (P2) opportunities for the elimination/reduction of waste, as well as reduction, and recycling options.

In 1991, NHPPP was created when DES received the first Pollution Prevention Incentives for States (PPIS) grant from EPA. Under this grant, NHPPP organized and trained a group of retired engineers to perform pollution prevention site assessments for NH manufacturers. This same program was later established in Vermont, where NHPPP staff helped train retirees for similar work in that state. In 1991, DES also established a multi-media Task Force to promote pollution prevention and better communications between Air, Water and Waste Division programs. In that same year, NHPPP organized a library of technical pollution prevention information and began promoting pollution prevention through a series of presentations at conferences, civic organizations, trade shows, etc.

By 1993, NHPPP completed 22 P2 site visits and published the first issues of its newsletter, *Wastelines*. To improve access to its technical library, NHPPP installed *InMagic*, a newly developed computer program, to retrieve documents using a "word search" function similar to today's internet search engines. In 1993, NHPPP began to organize and provide its own conferences to promote pollution prevention. One of the most successful was the *NH Solvents Alternatives Bazaar* where vendors set up operational industrial parts washers, using non-solvent based technologies, and attendees were invited to "bring in their dirty parts" to have them cleaned during the conference.

In 1994, NHPPP formed a partnership with the University of New Hampshire (UNH) through an EPA grant to initiate an intern project. Over the past seven summers, 45 New Hampshire companies have worked with 65 University of New Hampshire Chemical Engineering Students on pollution prevention projects to reduce or eliminate waste and save money. Most companies have seen significant savings as a result of using the internship program, and interns have significantly benefited as well. NHPPP recently surveyed former P2 interns to see how they have implemented P2 in the workforce after graduation.

When NHPPP asked former interns if they try to implement P2 skills in their current positions, replies were positive. Some of the projects they are working on include P2 programs, energy management techniques, solid waste and wastewater recycling, heat exchanges, and new equipment projects. One intern claimed it helped him "discover the importance of removing potential waste materials before they enter a process," while another finds himself "on the lookout for areas in which current processes are wasteful or inefficient."

Former intern host facilities include companies such as Sanmina (formally HADCO), Teledyne HALCO, PAK 2000, LW Packard Inc., Markem Corporation, and Elliot Hospital.

“I would recommend the P2 Intern program to other businesses. Evaluating P2 efforts is something we don’t always have time to do given our extremely busy workloads. The P2 intern program gave us the opportunity to dedicate a resource to focusing solely on these efforts. In the long run, HADCO will benefit through implementation of these, usually, cost saving measures,” said Marc J. Duquette, Sanmina Corporation.

Additionally, Joseph M. Webb, Teledyne HALCO said “Our intern was competent, a self-starter and excelled in her performance. Her initial approach was to listen and learn, then she merged into the ongoing activities, taking on simple tasks initially, concluding with significant independent accomplishments.”

In 1995, NHPPP sponsored the first annual Governor’s Award for Pollution Prevention. To be eligible for consideration, a project must reduce at the source the use, generation, or release of pollutants; increase efficiency in the use of raw materials, energy, water, or another resource; or protect natural resources using conservation techniques.

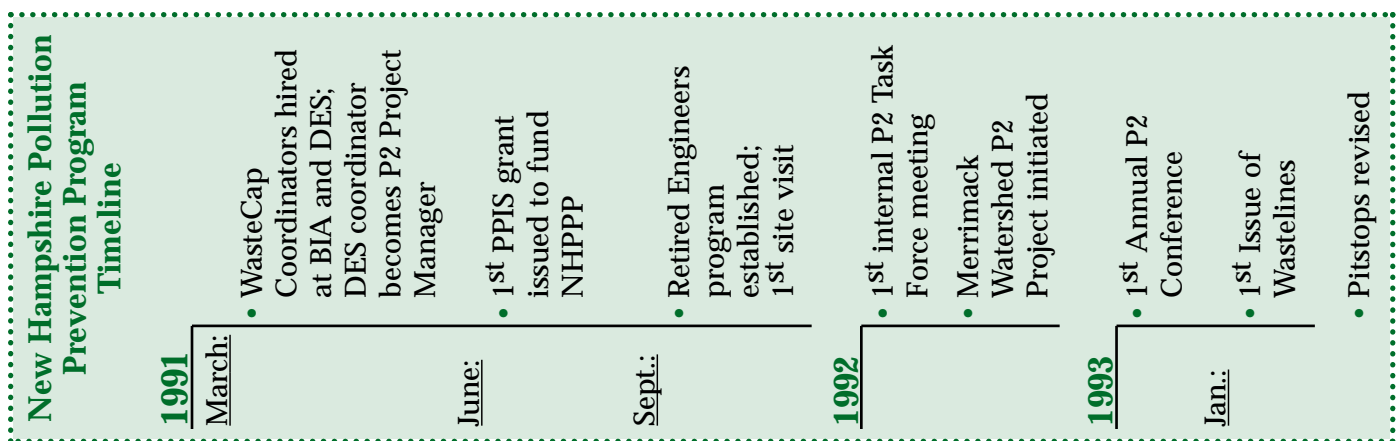
Also in 1995, NHPPP initiated the “Clean P2” project. The primary goal of Clean P2 is to encourage a pollution prevention approach to environmental and regulatory compliance. Companies that participate in the program are asked to implement a pollution prevention project(s) that brings the facility “into and beyond compliance.”

In 1996, NHPPP organized NH’s first celebration for Pollution Prevention Week. Pollution Prevention Week was created to highlight and promote the many benefits of pollution prevention. By the mid 90’s, P2 Week became a national event sponsored by the National P2 Roundtable in Washington D.C. P2 Week is currently celebrated by most states including New Hampshire.

This year’s regional theme for P2 Week was “**Environmentally Preferable Purchasing-Shop for a Better Environment.**” Environmentally Preferable Purchasing (EPP) means considering the impacts of your purchases on the environment. Environmentally preferable products have a reduced effect on human health and the environment when compared to more traditional products and services that save the same purpose. This may mean buying less toxic products or simply buying longer-lasting products.

The state of NH recognized the success and value of P2, and chose to create a permanent state-funded program to promote P2. SB 133 was passed, establishing positions in the DES commissioner’s office and waste management division.

By 1997, NHPPP was being recognized as the State’s leading pollution prevention expert by the media. NHPPP staff were routinely interviewed by local newspapers and radio stations most notably WEVO (NH Public Radio) and WSTG who were doing full features on pollution



prevention in New Hampshire. In 1997, NHPPP participated in the development of the region's first "Eco-Industrial Park, where environmentally proactive companies form a symbiotic relationship utilizing each other's wastes as feedstock to their manufacturing processes.

In 1998, NHPPP partnered with UNH and EPA to establish the counseling position at the Small Business Development Center where, previously, counseling was exclusively based on economic issues. In 1998, NHPPP was one of the first programs within DES to provide a Web Page to allow easier, confidential access to pollution prevention and regulatory information. As Environmental Management Systems, such as ISO 14000, became increasingly important to businesses, NHPPP developed *Planning For Profits*, an EMS based pollution prevention planning guide especially tailored for small businesses. NHPPP staff also created a web page (<http://www.des.state.nh.us/nhPPP/>), and published "Planning for Profits; A Guide to P2 for NH Businesses."

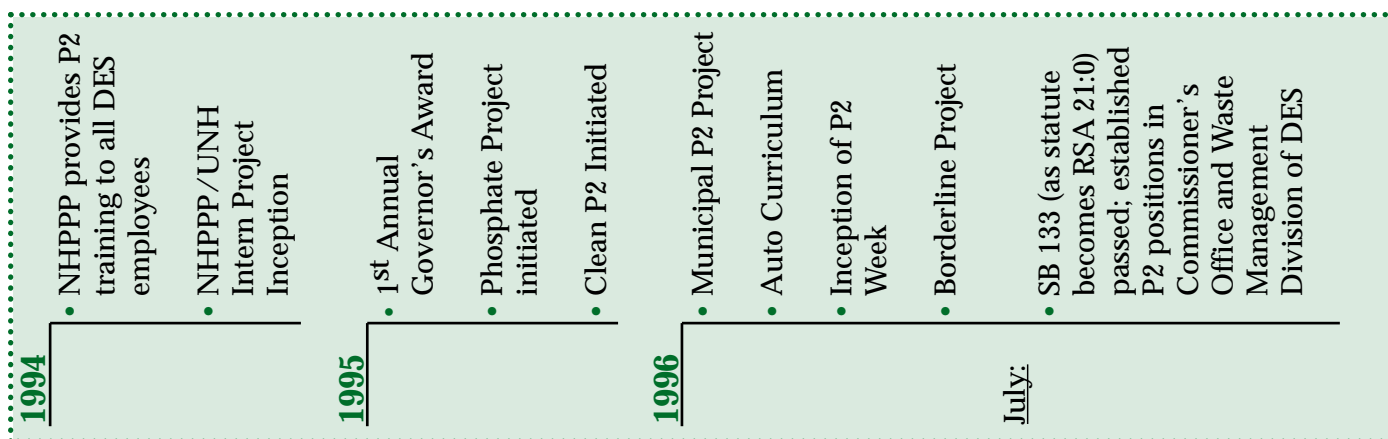
In 1999, The NH Department of Environmental Services Pollution Prevention Program (NHPPP), partnered with the U.S. Environmental Protection Agency (EPA) and the NH Hospital Association's (NHHA) Foundation for Healthy Communities, to undertake a project promoting the reduction of mercury in health care facilities. The project involved on-site assistance at participating facilities, setting up an infrastructure to promote continuous environmental improvement, and outreach and training activities. New Hampshire hospitals were also encouraged to join EPA Region 1 Partners for Change: Mercury Challenge Program. To date, six hospitals have joined. Dartmouth Hitchcock and Concord Hospital both won a Governor's Award for Pollution Prevention in 2000.

The healthcare mercury project partners conducted a survey for hospitals to assess their mercury practices and usage. The comprehensive questionnaire included policies, devices, recycling practices, and more. The purpose of completing this survey was to help hospitals assess how much mercury was in their facilities and what opportunities existed to reduce or eliminate unnecessary uses of mercury. In 2001, NHPPP will track the progress of hospitals that participated in 1999 survey and work with those hospitals that did not.

In 2001, NHPPP will also be revising the 1995 "*Best Management Practices for New Hampshire Marinas: Guidelines for Environmentally Proactive Marinas*" manual and distributing the updated document to NH marinas via site visits and mailings. NHPPP and Watershed Management Bureau staff will visit several NH marinas during the spring of 2001. These visits will include a review of each marina's current practices and identify potential pollution prevention opportunities. In addition, DES will be working with the New Hampshire Marine Trade Organization (NHMTA) that will allow DES to provide appropriate outreach/education on the NH Marinas Project and the revised BMP manual. The revised manual will be available in late fall 2001 or early 2002.

Future projects include working with hospitals to reduce dioxin, working with dentists to reduce amalgam, continuing to work with marinas, and working with schools to reduce toxic chemicals.

For more information about the NHPPP, please contact Sara J. Johnson, Pollution Prevention Project Manager, at (603) 271-6460, sjohnson@des.state.nh.us, or visit <http://www.state.nh.us/des/nhPPP/>.



Meet The P2 Staff!



Stephanie D'Agostino has held the position of Pollution Prevention Coordinator for the New Hampshire Department of Environmental Services (NHDES) for the past eight years. Her duties as coordinator include: integrating pollution prevention (P2) concepts into the Department's regulatory and technical assistance activities; staff training and education; and working with various constituencies, including other public agencies, environmental groups, industry groups and the NH Legislature, to develop policies and legislation that promote prevention. In addition, Stephanie coordinates the Department's mercury reduction

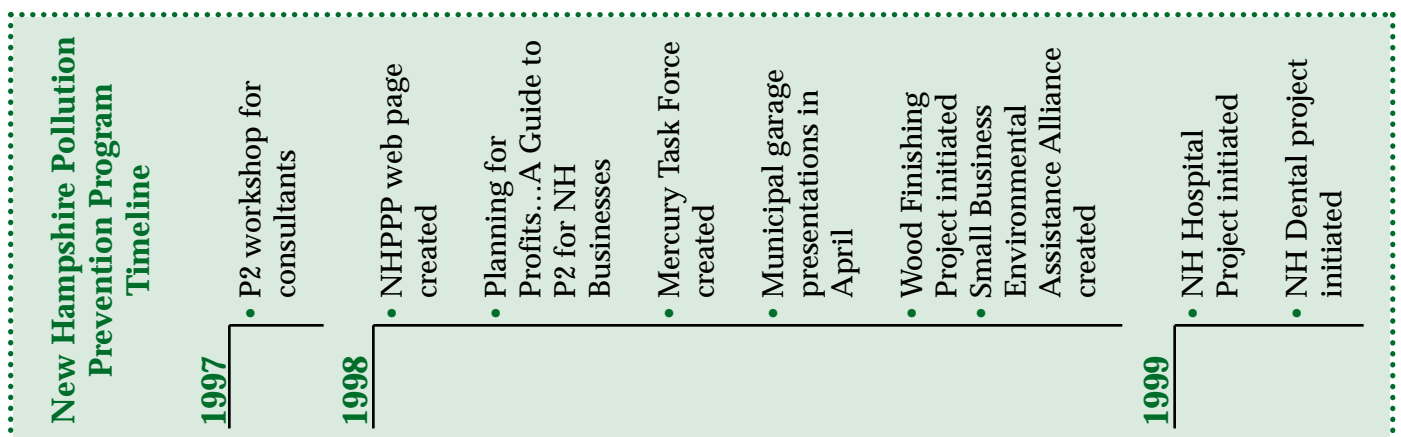
activities and is the American co-chair of the New England Governors and Eastern Canadian Premiers, Regional Mercury Task Force. Prior to her employment at NHDES she held the position of Principal Planner, Coastal Management Program at the NH Office of State Planning. Stephanie's career in the environmental field has also included positions as a whale watch naturalist, park ranger and hazardous materials responder. Stephanie holds a BA in Environmental Science and an MS in Resource Management and Administration.

Vince Perelli has been with DES for over twelve years, serving in his current capacity of DES Senior Planner since February 1999. In 1989, Vince established the Department's first Hazardous Waste Reduction Program which eventually evolved into the NHPPP, with the arrival of Paul Lockwood in 1990. From 1991 – 1993, Vince and Paul established many of the base NHPPP programs, including the Retired Engineers On-site Assistance Program, the Governor's P2 Awards Programs, the Annual P2 Conference, the NH P2 Partnership and the P2 Internship Program. Of the many NHPPP "firsts," Vince is most proud of the P2 Internship Program, a joint venture of DES and UNH created to train the next generation of engineering professionals armed with P2 skills. From 1994 to early 1999, Vince served as manager of the NHPPP.



Vince holds a M.S. in Resource Management and Administration from Antioch New England Graduate School and a B.S. in Natural Resource Management from Cook College - Rutgers University.

Paul Lockwood is the Waste Management Specialist and Supervisor for the Pollution Prevention & Education Section at DES. As supervisor for the P2 & Education Section, he has administrative oversight of NHPPP and NH Household Hazardous Waste Program. Paul is presently serving on the Londonderry Solid Waste Advisory Committee that is overseeing the development of the Londonderry Eco-Industrial Park. Originally living in Connecticut, he managed Environmental Health programs for several local Health Departments. In New Hampshire, Paul worked as the Senior Environmental Planner for CAQ Planning & Engineering, an environmental consulting firm. Paul received a BS in biology from Long Island University.





Sara Johnson is the Pollution Prevention Program Manager at DES. She is the project leader for the Governor's Award for Pollution Prevention, the annual P2 Conference, mercury reduction in healthcare, P2 intern program, Clean P2, and Pollution Prevention Incentives for States (PPIS). Prior to her employment with DES, she worked as an environmental chemist in North Carolina. She has a BS in marine science from University of South Carolina and a MS in Resource Management and Administration from Antioch New England Graduate School.

Lin Hill is a Pollution Prevention Technician for DES active in NEWMOA and the National Pollution Prevention Roundtable. She spent one year as the NHPPP Program Manager. She is the project leader for PrintSteps, the legislative report, and technical assistance. Prior to her employment with DES, she worked with Ohio EPA's Office of Pollution Prevention. Lin's experience also includes five years of environmental consulting in San Francisco, California. She received her BS from Tufts University in Mass. and received an MS in hydrogeology from Indiana University.



Jen Drociak is a Pollution Prevention Specialist for DES. She manages the NHPPP web page, *Wastelines* (newsletter), and is currently working with hospitals and dentists to reduce mercury usage. In addition, she is helping marinas prevent pollution, by performing on-site assessments and revising the DES manual "Best Management Practices for NH Marinas." Jen worked part-time for the Watershed Management Bureau of DES from 1997-1999 and the Wetlands Bureau. In addition, Jen worked in environmental education for the NH Audubon Society and the Merrimack River Watershed Council. She is on the Manchester

Conservation Commission and is involved in the city's Urban Pond Restoration Program. She is also a volunteer for the Upper Merrimack Monitoring Program.

April Duhaime was NHPPP's intern for the summer 2001. She is a sophomore at the University of New Hampshire studying chemical engineering. Her primary interests are pharmaceuticals and pharmaceutical engineering. During the summer she also played on the ASA Junior Olympic softball team, NH Elite. She loves to play cards and board games.





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Calendar of Events

Deadline for 2002 Governor's Award for Pollution Prevention

January 4, 2002

For more information on the Governor's Award, visit <http://www.des.state.nh.us/nhppp/nh01003.htm>

Clean Marina Workshop

January 11, 2002

8:45-3:30

NHDES

For more information contact

Jen Drociak at (603) 271-0878 or jdrociak@des.state.nh.us

10th Annual NH Pollution Prevention Conference

April 1, 2002

UNH Durham

For more information contact

Sara Johnson at (603) 271-6460 or sjohnson@des.state.nh.us

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The New Hampshire Pollution Prevention Program (NHPPP) is a free, confidential, non-regulatory technical and compliance assistance program for New Hampshire businesses and others. The NHPPP maintains an information clearinghouse, conducts on-site pollution prevention opportunity assessments, provides pollution prevention planning assistance, and organizes conferences and workshops.



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